

15-1246



# GUAM POWER AUTHORITY

ATURIDÁT ILEKTRESEDÁT GUAHAN  
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September 29, 2015

Eric Palacios  
Administrator, Guam EPA  
P.O. Box 22439  
GMF Barrigada, Guam 96913

SUBJECT: Waiver Request for TEMES CT Piti #7

*- Conchita:  
URGENT.  
Prep response  
ASAP.  
T.Y.  
3P*

Dear Mr. Palacios:

On August 31, 2015, the Guam Power Authority experienced a major failure of its base load units at the Cabras 3&4 Power Plant when an explosion and fire occurred in the Cabras 4 engine. This resulted in a power system loss of almost 80 MW of base load capacity. This loss makes it difficult for GPA to meet the current system demand.

In light of this, GPA is pursuing a number of strategies to meet the island's needs. These include Interruptible Load Program, Rehabilitate and Activate the Dededo 40MW CT Plant, Pursue Leasing of 40-60MW of Temporary Capacity, and several others.

With the current situation, we have been relying heavily on the TEMES CT Unit #7. It is normally used as a peaking unit and also used to synchronize frequency when the power system is unstable. This recent heavy usage has put a strain on the facilities demineralized water (demin-water) supply which is used to control NOx emissions. It can only run on full load for a few (about 6) hours before the demin-water supply runs out. It takes about 8 hours for them to regenerate another supply of water. We are working on bringing in RO water from Cabras Power Plant but this is still not be enough to meet the Units demand of 3,600 gal/hour at full load.

With these current conditions in mind, we would like to ask for a waiver that the TEMES CT be allowed to run at higher loads before implementing the water injection system and if needed, run without water injection in times that the plant has depleted its supply.

Your consideration in this matter is greatly appreciated. Should you have any questions please contact Sylvia Ipanag at (671) 648-3217 or email [sipanag@gpagwa.com](mailto:sipanag@gpagwa.com).

Sincerely,

**D. Graham Botha, Jr.**  
General Manager (A)

CC: Deborah Jordan, USEPA  
Asst. General Manager, Operations  
Manager of Generation  
Manager of Engineering

**RECEIVED**

SEP 29 2015  
Guam Environmental  
Protection Agency